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## Listing of Claims

SEP 19 2006

1 - 25 (Cancelled).

26. (Currently Amended) A method according to claim 3 for varying conductivity of a poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonate) layer cast from aqueous solution onto a substrate, said method comprising adding an effective amount of at least one organic co-solvent to said aqueous solution, wherein said organic solvent comprises an amine solvent.

27. (Original) A method according to claim 26, wherein said amine solvent comprises a solvent selected from a mono-, di-, or tri-alkyl amine, a cyclic amine, an aromatic amine, and combinations of any two or more thereof.

28. (Original) A method according to claim 26, wherein said amine solvent comprises an aromatic amine solvent.

29. (Original) A method according to claim 28, wherein said aromatic amine comprises pyridine.

30. (Original) A method according to claim 3, wherein said organic solvent comprises a carboxylic acid solvent.

31. (Original) A method according to claim 30, wherein said carboxylic acid solvent comprises a solvent selected from a C<sub>1</sub> up to about C<sub>6</sub> straight or branched chain carboxylic acid, and combinations of any two or more thereof.

32. (Original) A method according to claim 30, wherein said carboxylic acid comprises formic acid.

33 - 37 (Cancelled).